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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1 OCT 02 Web Page for STN Seminar Schedule - N. America
NEWS 2 OCT 02 CA/Cplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 3 OCT 19 BEILSTEIN updated with new compounds
NEWS 4 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 5 NOV 19 WPIX enhanced with XML display format
NEWS 6 NOV 30 ICSD reloaded with enhancements
NEWS 7 DEC 04 LINPADOCDB now available on STN
NEWS 8 DEC 14 BEILSTEIN pricing structure to change
NEWS 9 DEC 17 USPATOLD added to additional database clusters
NEWS 10 DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 11 DEC 17 DGENE now includes more than 10 million sequences
NEWS 12 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 13 DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 14 DEC 17 CA/Cplus enhanced with new custom IPC display formats
NEWS 15 DEC 17 STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 16 JAN 02 STN pricing information for 2008 now available
NEWS 17 JAN 16 CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 18 JAN 28 USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 19 JAN 28 MARPAT searching enhanced
NEWS 20 JAN 28 USGENE now provides USPTO sequence data within 3 days of publication
NEWS 21 JAN 28 TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 22 JAN 28 MEDLINE and LMEDLINE reloaded with enhancements
NEWS 23 FEB 08 STN Express, Version 8.3, now available
NEWS 24 FEB 20 PCI now available as a replacement to DPCI
NEWS 25 FEB 25 IFIREF reloaded with enhancements
NEWS 26 FEB 25 IMSPRODUCT reloaded with enhancements

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 15:22:16 ON 25 FEB 2008

```
=> file capsul
'CAPULS' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'HOME'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available. If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.
```

```
=> trinkle j/au
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (>) for a list of
commands which can be used in this file.
```

=> file caplus
COST IN U.S. DOLLARS
SINCE FILE ENTRY SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'CAPLUS' ENTERED AT 15:22:42 ON 25 FEB 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 25 Feb 2008 VOL 148 ISS 9
FILE LAST UPDATED: 24 Feb 2008 (20080224/EP)

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```
=> e trinkle j/au
E1          1      TRINKLE ELIZABETH A/AU
E2          3      TRINKLE ERIC J/AU
E3          0 --> TRINKLE J/AU
E4          1      TRINKLE J/A/AU
E5          1      TRINKLE J/C/AU
```

```

E6      6      TRINKLE J KENT/AU
E7      8      TRINKLE JAMES R/AU
E8      1      TRINKLE JOHN L/AU
E9      3      TRINKLE KRISTINA L/AU
E10     1      TRINKLE L S/AU
E11     1      TRINKLE LAURA A/AU
E12     2      TRINKLE LINDA/AU

=> s e4-e7
      1 "TRINKLE J A"/AU
      1 "TRINKLE J C"/AU
      6 "TRINKLE J KENT"/AU
      8 "TRINKLE JAMES R"/AU
L1    16 ("TRINKLE J A"/AU OR "TRINKLE J C"/AU OR "TRINKLE J KENT"/AU OR
      "TRINKLE JAMES R"/AU)

=> e hwang ki oh/au
E1      1      HWANG KI LNAM/AU
E2      1      HWANG KI NYUN/AU
E3    17 --> HWANG KI OH/AU
E4      1      HWANG KI OK/AU
E5      3      HWANG KI SEOK/AU
E6      8      HWANG KI SOO/AU
E7      4      HWANG KI SUNG/AU
E8      4      HWANG KI SUP/AU
E9      3      HWANG KI TAE/AU
E10     1      HWANG KI UN/AU
E11     1      HWANG KI UNG/AU
E12     8      HWANG KI WOON/AU

=> s e3
L2    17 "HWANG KI OH"/AU

=> e fan weiyu/au
E1      8      FAN WEIXUN/AU
E2      2      FAN WEIYA/AU
E3    49 --> FAN WEIYU/AU
E4      1      FAN WEIYUAN/AU
E5      2      FAN WEIYUN/AU
E6      2      FAN WEIZE/AU
E7      1      FAN WEIZENG/AU
E8      2      FAN WEIZHEN/AU
E9      8      FAN WEIZHENG/AU
E10     1      FAN WEZHONG/AU
E11    17      FAN WEN/AU
E12     3      FAN WEN BIAO/AU

=> s e1-e5
      8 "FAN WEIXUN"/AU
      2 "FAN WEIYA"/AU
      49 "FAN WEIYU"/AU
      1 "FAN WEIYUAN"/AU
      2 "FAN WEIYUN"/AU
L3    62 ("FAN WEIXUN"/AU OR "FAN WEIYA"/AU OR "FAN WEIYU"/AU OR "FAN
      WEIYUAN"/AU OR "FAN WEIYUN"/AU)

=> d his

```

FILE 'CAPLUS' ENTERED AT 15:22:42 ON 25 FEB 2008
E TRINKLE J/AU
L1 16 S E4-E7
E HWANG KI OH/AU
L2 17 S E3
E FAN WEIYU/AU
L3 62 S E1-E5
=> s 11 or 12 or 13
L4 86 L1 OR L2 OR L3

=> 14 and chitosan
30653 CHITOSAN
1230 CHITOSANS
30711 CHITOSAN
(CHITOSAN OR CHITOSANS)
L5 2 L4 AND CHITOSAN

=> d 15 1-2 ibib abs

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:836761 CAPLUS
DOCUMENT NUMBER: 139:328325
TITLE: Chitosan production from chitin-containing materials
INVENTOR(S): Trinkle, James R.; Fan, Weiyu;
Hwang, Ki-oh
PATENT ASSIGNEE(S): Cargill, Inc., USA
SOURCE: PCT Int. Appl., 15 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 2003086281 | A2 | 20031023 | WO 2003-US10560 | 20030402 |
| WO 2003086281 | A3 | 20040219 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2481006 | A1 | 20031023 | CA 2003-2481006 | 20030402 |
| AU 2003221828 | A1 | 20031027 | AU 2003-221828 | 20030402 |
| BR 2003003666 | A | 20040727 | BR 2003-3666 | 20030402 |
| EP 1497335 | A2 | 20050119 | EP 2003-718228 | 20030402 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| US 2005215774 | A1 | 20050929 | US 2004-509570 | 20040929 |
| PRIORITY APPLN. INFO.: | | | US 2002-369594P | P 20020402 |
| | | | WO 2003-US10560 | W 20030402 |

AB The invention provides a method of producing chitosan using pressures greater than 0 PSIG. The invention also provides fungal

chitosan compns. A dry matter of *Aspergillus niger* mycelium was mixed with an aqueous solution of NaOH and the mixture was heated to 110° to obtain chitosan.

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:693384 CAPLUS
DOCUMENT NUMBER: 135:243979
TITLE: Chitosan and preparing chitosan
from microbial biomass
INVENTOR(S): Fan, Weiyu; Bohlmann, John A.; Trinkle, James R.; Steinke, James D.; Hwang, Ki-Oh; Henning, Joseph P.
PATENT ASSIGNEE(S): Cargill, Incorporated, USA
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|--|----------|-----------------|-------------|
| WO 2001068714 | A1 | 20010920 | WO 2000-US20173 | 20000725 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| CA 2313836 | A1 | 20010915 | CA 2000-2313836 | 20000711 |
| BR 2000003114 | A | 20011204 | BR 2000-3114 | 20000724 |
| EP 1272528 | A1 | 20030108 | EP 2000-953667 | 20000725 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IB, SI, LT, LV, FI, RO, MK, CY, AL | | | | |
| US 2002025945 | A1 | 20020228 | US 2000-739406 | 20001218 |
| US 6972284 | B2 | 20051206 | | |
| MX 2002PA09042 | A | 20030425 | MX 2002-PA9042 | 20020913 |
| US 2005245482 | A1 | 20051103 | US 2005-153801 | 20050615 |
| PRIORITY APPLN. INFO.: | | | US 2000-189560P | P 20000315 |
| | | | WO 2000-US20173 | W 20000725 |
| | | | US 2000-739406 | A3 20001218 |

AB Highly deacetylated (>85%) chitosan is made by providing chitin-containing biomass (especially fungal biomass); reacting the chitin-containing biomass in a caustic solution of >25% alkali at >95° for ≥10 h to convert the chitin in the biomass to chitosan; and separating the chitosan from the caustic solution. A pre-treating step may be used in which microbial biomass is heated in a less alkaline solution prior to reacting with more alkaline solution.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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